INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/05744

A. CLASSIFICATION OF SUBJECT MATTER IPC: G01V 3/00(2006.01)							
USPC: 324/318,309 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELD	OS SEARCHED		, , , , , , , , , , , , , , , , , , , ,				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 324/318, 309, 308, 307, 306, 310-317, 319-322							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST 2.3, JPAB, EPAB, DWPI, TDBD, USPT, USOC, PGPB							
C. DOCU	UMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	1-29 and 31-71				
х	US 5,664,568 A (SRINIVASAN et al) 9 September 1	1997 (09.09.1997), See chine					
 A	reference.	•	30				
	N 11 Pokasan 1	007 (11 02 1007) See entire	21, 29, 30				
X	US 5,602,479 A (SRINIVASAN et al) 11 February 1 reference.	(997 (11.02.1997), See chine					
A			1-20, 22-28, 31-71				
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		•					
	•	•					
	· · ·						
Further documents are listed in the continuation of Box C. See patent family annex.							
	Special categories of cited documents:	"T" later document published after the in	ternational filing date or priority				
	nt defining the general state of the art which is not considered to be	date and not in conflict with the application but cited to understand principle or theory underlying the invention					
"A" document of partic	cular relevance	"X" document of particular relevance; the	e claimed invention cannot be				
"E" earlier a	application or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone	fered to involve an inventive step				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the considered to involve an inventive st combined with one or more other su	TED MINELL THE GOODINGIN 12				
.1	nt referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in	the art				
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family					
Date of the actual completion of the international search		Date of mailing of the international sea 2 5 MAY 2006	arch report				
22 April 20	06 (22.04.2006)	Authorized officer	11.0 2011				
Name and n	nailing address of the ISA/US	Ny acces	Seve For				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Gutierrez Diego					
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (703)305-0956					
Facsimile No. (571) 273-3201							

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/05744

Box N		Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.		Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box i	No. ПІ	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This I	nternati e See Co	ional Searching Authority found multiple inventions in this international application, as follows: ontinuation Sheet			
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2.					
payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
	,				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-71					
Rem	ark on	Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
	•	No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)

INTERNATION	AT	SEARCH	PEPOPT
INTERNATION	AL	SEARCH	REPURI

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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group 1, claims 1-71, drawn to A neurovascular array for use with a magnetic resonance (MR) system capable of parallel imaging.

Group 2, claims 72-78, drawn to an interface for coupling a coil array to a parallel-imaging compatible magnetic resonance (MR) system.

Group 3, claims 79, 80, drawn to a housing for a neurovascular array for use with a magnetic resonance system.

The inventions listed as Groups 1-3 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group 1 is drawn to the structure of the actual neurovascular array; Group 2 is drawn specifically to the coupling interface with the various electrical ports for operating the device; and group 3 is drawn to the housing that encloses the neurovascular array and not the specifics of the neurovascular array itself.

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